

In re: Michael J. Collins et al.  
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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (previously presented): A sample for NMR measurement comprising:  
an organic portion containing at least some fats and oils on a pad that is hydrophilic and lipophilic and substantially transparent to microwave radiation and is free of atoms that would interfere with or mask the proton NMR response of the protons in the fats and oils in the sample; and

a sheet material that is free of atoms that would interfere with or mask the NMR response of the protons in the fats and oils in the sample, said sheet material being wrapped around said organic portion and said pad.

Claim 2 (currently amended): A sample according to Claim 1, wherein at a temperature at which the fats and oils are partially melted.

Claim 3 (cancelled)

Claim 4 (cancelled)

Please add the following new claims:

Claim 5 (new): A sample according to Claim 1, wherein the fats and oils are completely melted.

Claim 6 (new): A sample according to Claim 1, wherein said pad comprises quartz fibers.

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Claim 7 (new): A sample according to Claim 1, wherein said pad comprises glass fibers.

Claim 8 (new): A sample according to Claim 1, wherein the sheet material is nonporous to oils and fats.

Claim 9 (new): A sample according to Claim 1, wherein said sheet material comprises a polytetrafluoroethylene (PTFE) polymer.

Claim 10 (new): A sample according to Claim 1, wherein said sample comprises a food product.

Claim 11 (new): A sample according to Claim 10, wherein said food product comprises protein.

Claim 12 (new): A sample according to Claim 10, wherein said food product comprises a carbohydrate.

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